# Identification information

* **Originator**: Connecticut Institute for Resilience and Climate Adaptation (Circa)
* **Title**: Connecticut coastal vulnerability map: Critical Infrastructure, Coastal Structure and Buildings.
* **Geospatial Data Presentation Form**: Raster and vector digital data
* **Link**: Circa Main Server *D:\Arcmap*
* **Abstract**: This data table defines the Connecticut coastal vulnerability given by the combination of critical infrastructure, coastal structure and buildings. The rank is the mean between the maximum rank of critical infrastructure and building and the rank of coastal structure*.* It has been divided in different categories, ranking from1 (less vulnerable) to 4 (most vulnerable). If the feature does not have rank coastal structure, rank is zero.

**Spatial Domain**:

north bounding: 4697924.651800 (m)

south bounding: 4623524.749677 (m)

east bounding: 1770933.490928 (m)

west bounding: 1615533.539872 (m)

* **Place:**

United States

Connecticut Coastal Cities

# Entity and attribute information

## Layers

**Data Type**; Shapefile Feature Class

**Shapefile:**

D:\Arcmap\ct\_Index\grid\_100\_square200\Final\_Indicators\new\ Bulding\_CI\_CSNEW.shp

**Geometry Type**: Polygon

**Field:**

*FID*: Unique identifier of an object within the table

*Shape*: Feature geometry

*Id*: zero

*BUFF\_DIST*: the distance used to buffer each feature in the linear unit of the input features coordinate system

*ORIG\_FID*: field that contains the feature ID of the input feature for which the buffer was created

*cogs*: Council of Government that refers to the center of each feature

*city*: city that refers to the center of each feature

*Lon1*: longitude coordinate of the center of each feature decimal degree

*Lat1*: latitude coordinate of the center of each feature, decimal degree

*x*: coordinate of the center of each feature in horizontal domain, meters

y: coordinate of the center of each feature in vertical domain, meters

*rank: rank of coastal vulnerability given by coastal structure, critical infrastructure and building*

*ATTRIBUTE: type of coastal structure within each feature*

*SUBCLASS: subtype of coastal structure within each feature*

*areaBI: building area (m2) within each feature*

*privatescho: number of private school within each feature*

*UPS: number of UPS within each feature*

*childcare: number of childcare within each feature*

*publicschoo: number of public-school within each feature*

*Airport: number of airport within each feature*

*Amtrak: number of Amtrak station within each feature*

*ww: number of Waste Water Treatment Plants within each feature*

*police: number of police station within each feature*

*fire\_statii: number of fire station within each feature*

*hospital: number of hospital within each feature*

*num\_struc: number of critical infrastructure within each feature*

**Key words:** Critical Infrastructure, Building, coastal structure, Connecticut, CIRCA, coastal vulnerability

# Metadata Reference Information

* **Author**: Caterina Massidda
* **Data:** 4/5/2019